

Zanesville City Schools Career Pathways

Career Cluster:

Manufacturing

This career group is designed to assist with planning for a career in the field of manufacturing. School counselors assist in designing an academic pathway that includes all core graduation requirements and applicable electives to prepare properly for postsecondary education. Considerations pertaining to prerequisite courses, corequisite courses, leveling, teacher recommendations and class availability play a role in developing a specific and personalized plan that will maximize opportunities for success.

Interests/ Skills/ Traits Associated with Manufacturing

This diverse Career Cluster prepares learners for careers in planning, managing, and performing the processing of materials into intermediate or final products. Careers also include related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering. (from *Naviance*, "careers" tab)

Focused Elective Options

Focused electives are only suggestions. Students may explore other areas of study to fulfill elective requirements.

Applied Technology:

Robotics
Advanced Robotics
Creative Thinking/Problem Solving

Art:

Art
Exploration of Art
Graphic Design
Yearbook and Printing
AP Studio Art

English:

CCR Writing & Study Skills CP
College Research & Technical Writing CP
Creative Writing CP
Public Speaking CP
AP Language & Composition
Zane State Composition 1
Zane State Composition 2
Zane State American Literature

Mathematics:

Data Analysis & Probability
Precalculus
ZS College Algebra
ZS PreCalculus
AP Calculus AB

Social Studies:

Sociology
Psychology

Project Lead the Way

Engineering:

Introduction to Engineering
Design
Principles of Engineering
Civil Engineering and Architecture

Family and Consumer Science:

Transitions and Careers
Personal Finance

Sample Career Choices

Please click on the title of the career for up-to-date information from the Bureau of Labor Statistics

[Assemblers and Fabricators](#)

2018 Median Pay - \$32,820; Entry-level Education - HS diploma

[Automotive Service Technicians & Mechanics](#)

2018 Median Pay - \$42,710; Entry-level Education - Certification

[Industrial Engineer](#)

2018 Median Pay-\$87,040; Entry-level Education-Bachelor's degree

[Industrial Engineering Technicians](#)

2018 Median Pay- \$55,460; Entry-level Education- Associate's degree

[Machinists and Tool and Die Makers](#)

2018 Median Pay - \$44,950; Entry-level Education -HS diploma

[Telecommunications Line Installers and Repairers](#)

2018 Median Pay - \$56,100; Entry-level Education - HS diploma

[Welders, Cutters, Solderers and Brazers](#)

2018 Median Pay - \$41,380; Entry-level Education - HiS diploma

[Sheet Metal Workers](#)

2018 Median Pay - \$38,460; Entry-level Education - HS diploma

External Extended Learning Opportunities

Mid-East CTC:

Applied Engineering & Machining
Robotics, Automation & Design
Welding Technician

Auto Technology
Diesel Technology

Career Shadow/Internship/Mentor Suggestions

Industrial Production Managers
Metal and Plastic Machine Workers
Welders
Mechanics